

A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 C07K14/28 C12N15/31 G01N33/53 A61K39/106

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 C07K

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ, BIOSIS, EMBASE, MEDLINE, Sequence Search

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	DATABASE EMBL 'Online! 24 October 2002 (2002-10-24), "35D10LLI0004B Lawsonia library Lawsonia intracellularis genomic, DNA sequence." XP002327099 retrieved from EBI accession no. EM_PRO: BH795503	1-3,5-7
Y	Database accession no. BH795503 SEQ ID No: 1 has 100.00 % identity (100.00 % ungapped) over 543 (q:s=314-856:1-543) with subject EM_GSS: BH795503	4,8-16
Y	EP 1 094 070 A (PFIZER PRODUCTS INC) 25 April 2001 (2001-04-25) see in particular pages 19-22, claims 19, 20. the whole document ----- -/-	1-16

☒ Further documents are listed in the continuation of box C☒ Patent family members are listed in annex.

* Special categories of cited documents.

- *A* document defining the general state of the art which is not considered to be of particular relevance
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- *O* document referring to an oral disclosure, use, exhibition or other means
- *P* document published prior to the international filing date but later than the priority date claimed

T later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

X document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

Y document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art

8 document member of the same patent family

Date of the actual completion of the international search

3 May 2005

Date of mailing of the international search report

01/06/2005

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

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Y	WO 00/69905 A (PIG RESEARCH AND DEVELOPMENT CORPORATION; AGRICULTURE VICTORIA SERVICE) 23 November 2000 (2000-11-23) see in particular the claims and the examples. the whole document -----	1-16
Y	US 5 885 823 A (KNITTEL ET AL) 23 March 1999 (1999-03-23) see in particular the claims and the examples the whole document -----	1-16
P, X	WO 2004/033631 A (REGENTS OF THE UNIVERSITY OF MINNESOTA; KAPUR, VIVEK; GEBHART, CONNIE,) 22 April 2004 (2004-04-22) SEQ ID No: 1 has 100.00 % identity (100.00 % ungapped) over 543 (q:s=314-856:1-543) with SEQ ID NO: 47; SEQ ID No: 2 has 100.00 % identity (100.00 % ungapped) over 163 with SEQ ID NO: 109 Claim 30 -----	1-16

INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/EP2004/053342

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